

IN THE CLAIMS

Please cancel claims ~~4~~, ~~5~~, ~~6~~, ~~13~~ and ~~15~~ without prejudice or disclaimer of the subject matter recited therein.

Please amend claims 3, 7, 8, 9, 10, 17 and 18 as follows, with a marked-up copy of the amended claims being included in the Appendix attached to this reply:

3. (Amended) An internal member for a plasma treating vessel comprising a substrate, a metal coating formed on a surface thereof as an undercoat, a middle layer formed on the undercoat and a Y_2O_3 sprayed coating formed on the middle layer as a top coat.

7. (Twice Amended) An internal member for a plasma treating vessel according to claim 1, wherein the Y_2O_3 sprayed coating is a coating having a porosity of 0.5-10% and a thickness of 50-2000 μm .

9. (Amended) A method of producing an internal member for a plasma treating vessel, which comprises applying at least one surface treating process selected from CVD process, PVD process and thermal spraying process to a surface of a substrate to form a composite layer composed of a layer of a metal of Ni, W, Mo or Ti or an alloy thereof as an undercoat and Y_2O_3 as a top coat.

10. (Amended) A method of producing an internal member for a plasma treating vessel, which comprises applying at least one surface treating process selected from CVD process, PVD process and thermal spraying process to a surface of a substrate to form a composite layer composed of a layer of a metal of Ni, W, Mo or Ti or an alloy thereof as an undercoat, Al_2O_3 or a mixture of Al_2O_3 and Y_2O_3 as a middle layer and Y_2O_3 as a top coat.

17. (Amended) An internal member for a plasma treating vessel according to claim 2, wherein the Y_2O_3 sprayed coating is a coating having a porosity of 0.5-10% and a thickness of 50-2000 μm .

18. (Amended) An internal member for a plasma treating vessel according to claim 3, wherein the Y_2O_3 sprayed coating is a coating having a porosity of 0.5-10% and a thickness of 50-2000 μm .

Please add new claims 19-44, as follows:

---19. (New) An internal member for a plasma treating vessel according to claim 1, wherein a film having a strong resistance to halogen gas corrosion is provided as an undercoat between the substrate and the Y_2O_3 film.

20. (New) An internal member for a plasma treating vessel according to claim 1, wherein an Al_2O_3 film is provided between the substrate and the Y_2O_3 film.

21. (New) An internal member for a plasma treating vessel according to claim 1, wherein the Y_2O_3 has a purity of not less than 95%.

22. (New) An internal member for a plasma treating vessel according to claim 1, wherein the Y_2O_3 has a purity of not less than 98%.

23. (New) An internal member for a plasma treating vessel according to claim 1, wherein the Y_2O_3 sprayed coating consists essentially of Y_2O_3 .

24. (New) An internal member for a plasma treating vessel according to claim 1, wherein the Y_2O_3 sprayed coating consists of Y_2O_3 .

25. (New) An internal member for a plasma treating vessel according to claim 2, wherein the Y_2O_3 has a purity of not less than 95%.

26. (New) An internal member for a plasma treating vessel according to claim 2, wherein the Y_2O_3 has a purity of not less than 98%.

27. (New) An internal member for a plasma treating vessel according to claim 2, wherein the Y_2O_3 sprayed coating consists essentially of Y_2O_3 .

28. (New) An internal member for a plasma treating vessel according to claim 2, wherein the Y_2O_3 sprayed coating consists of Y_2O_3 .

29. (New) An internal member for a plasma treating vessel according to claim 3, wherein the Y_2O_3 has a purity of not less than 95%.

30. (New) An internal member for a plasma treating vessel according to claim 3, wherein the Y_2O_3 has a purity of not less than 98%.

31. (New) An internal member for a plasma treating vessel according to claim 3, wherein the Y_2O_3 sprayed coating consists essentially of Y_2O_3 .

32. (New) An internal member for a plasma treating vessel according to claim 3, wherein the Y_2O_3 sprayed coating consists of Y_2O_3 .

33. (New) A method of producing an internal member for a plasma treating vessel according to claim 8, wherein the Y_2O_3 in the sprayed coating has a purity of not less than 95%.

34. (New) A method of producing an internal member for a plasma treating vessel according to claim 8, wherein the Y_2O_3 in the sprayed coating has a purity of not less than 98%.

35. (New) A method of producing an internal member for a plasma treating vessel according to claim 8, wherein the Y_2O_3 sprayed coating consists essentially of Y_2O_3 .

36. (New) A method of producing an internal member for a plasma treating vessel according to claim 8, wherein the Y_2O_3 sprayed coating consists of Y_2O_3 .

37. (New) A method of producing an internal member for a plasma treating vessel according to claim 9, wherein the Y_2O_3 has a purity of not less than 95%.

38. (New) A method of producing an internal member for a plasma treating vessel according to claim 9, wherein the Y_2O_3 has a purity of not less than 98%.

39. (New) A method of producing an internal member for a plasma treating vessel according to claim 9, wherein the Y_2O_3 consists essentially of Y_2O_3 .

40. (New) A method of producing an internal member for a plasma treating vessel according to claim 9, wherein the Y_2O_3 consists of Y_2O_3 .

41. (New) A method of producing an internal member for a plasma treating vessel according to claim 10, wherein the Y_2O_3 in the top coat has a purity of not less than 95%.

42. (New) A method of producing an internal member for a plasma treating vessel according to claim 10, wherein the Y_2O_3 in the top coat has a purity of not less than 98%.

43. (New) A method of producing an internal member for a plasma treating vessel according to claim 10, wherein the Y_2O_3 in the top coat consists essentially of Y_2O_3 .

44. (New) A method of producing an internal member for a plasma treating vessel according to claim 10, wherein the Y_2O_3 in the top coat consists of Y_2O_3 .---